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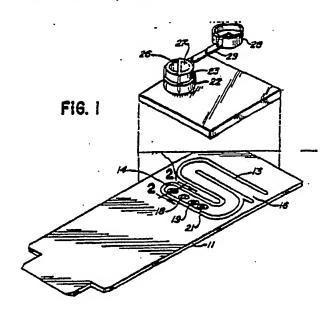
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- Sensor for measurement of a chemical species susceptible to dehydrogenation.
- An electrode is provided for a single-use sensing device in a clinical chemical analyzer for amperometrically determining the level, in a body fluid, of a chemical species susceptible to dehydrogenation in the presence of a dehydrogenase enzyme. The electrode has a coating comprising the dehydrogenase enzyme, a perfluorosulfonic acid polymer, methylene blue and a cofactor of the group consisting of NAD and NADP. In a preferred embodiment, the coating also includes a water soluble resinous polymer and a cured aqueous emulsion adhesive.

In another embodiment, the sensor is used to measure a hydrogenatable chemical species, in which case the cofactor is in hydrogenated form. In still another embodiment, the sensor is used to measure a dehydrogenase enzyme, in which case the enzyme is omitted from the coating and a dehydrogenatable chemical species is substituted therefor.





EUROPEAN SEARCH REPORT

EP 88 30 9282

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